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INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 03/00959 SIFICATION OF SUBJECT MATTER
E01C3/06 E02D ÊÒ2D27/35 F16L1/026 According to Informational Patent Crassification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) EOIC EO2D F16L IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category 11-19 X US 3 279 334 A (QUARTARARO JACK M) 18 October 1966 (1966-10-18) column 1, line 68 -column 2, line 12; US 4 464:082 A (ISAACS RALPH M) 5,6,19 A 7 August 1984 (1984-08-07) column 5, line 60 column 6, line 4; figure 7 US 3 839 518 A (SUNDQUIST D ET AL) -1-101 October 1974 (1974-10-01) column 4, line 60 column 6, line 53 - line 58; figure 5 Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "T' later document published after the international fling date or priority date and not in conflict with the application but cited to understand the principle of theory underlying the internation." "A" document defining the general state of the aid which is not considered to be of particular relevance earlier document but published on or after the international "X" document of particular relevance; the claimed-invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone (iling date "L" document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. 'O' document reterring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "A" document member of the same patent family Date of mailing of the International search report Date of the actual completion of the international search 10/09/2003 3 September 2003 Authorized officer Name and malling address of the ISA European Palent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Flijswijk Tel. (+31-70) 340-2040, Tic. 31 651 epo ni.

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